

Single mode semiconductor diode laser (spectral domain)

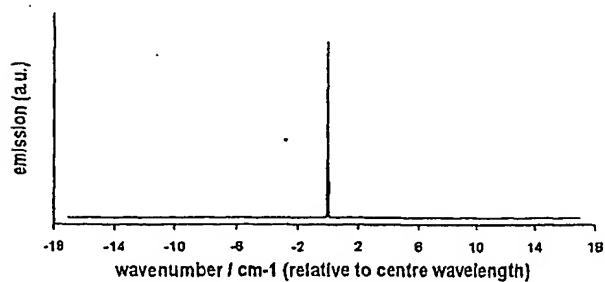


Fig.1a

Multi-mode semiconductor diode laser (spectral domain)

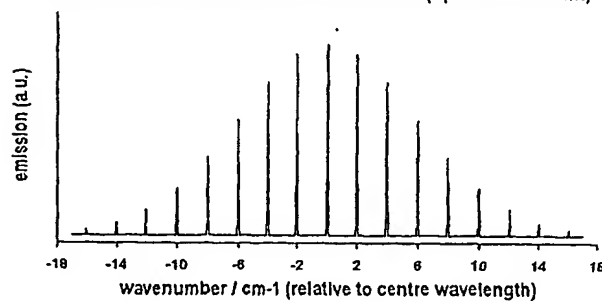


Fig.1b

Single mode semiconductor diode laser (spectral domain)

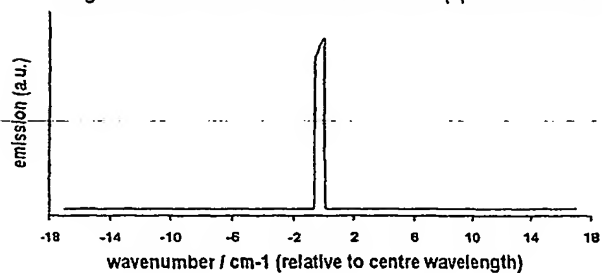


Fig.1c

Multi-mode semiconductor diode laser (spectral domain)

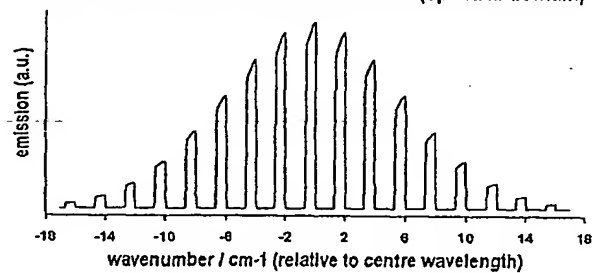


Fig.1d

Single mode semiconductor diode laser (spectral domain)

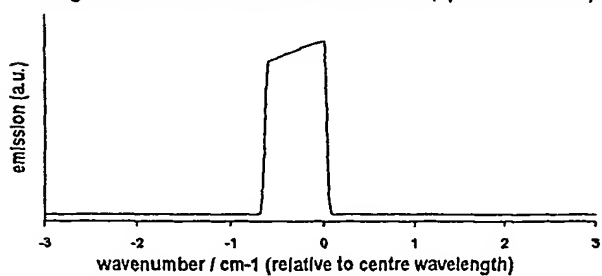


Fig.1e

Multi-mode semiconductor diode laser (spectral domain)

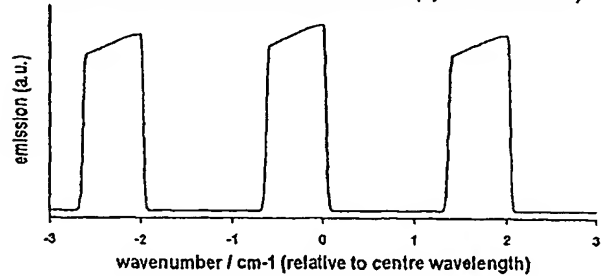


Fig.1f

Photo detector response (temporal domain)

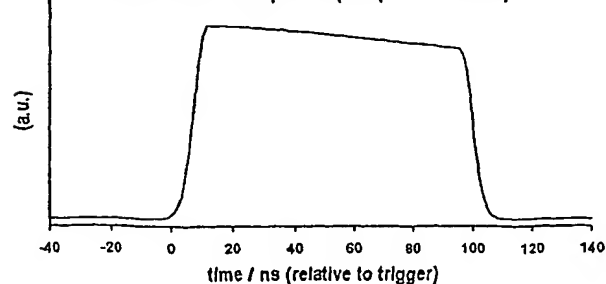


Fig.1g

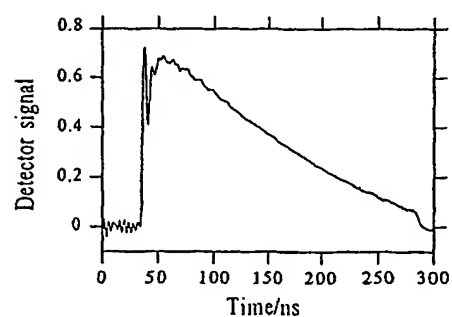


Fig.1h

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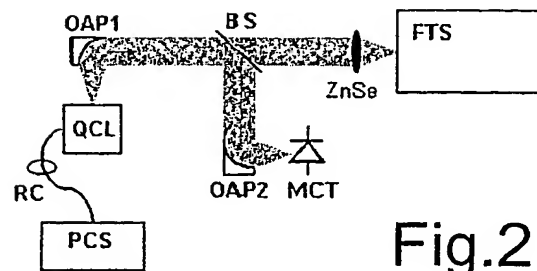


Fig.2

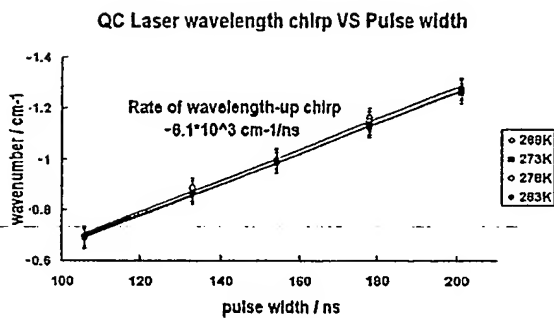


Fig.3a

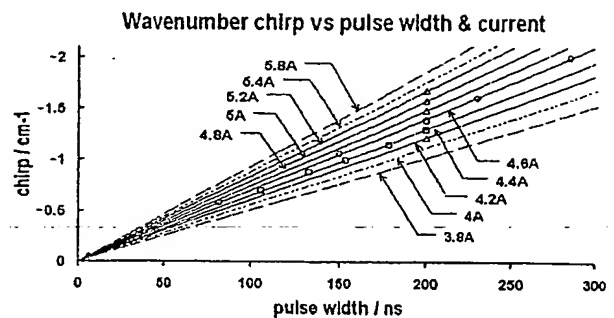


Fig.3b

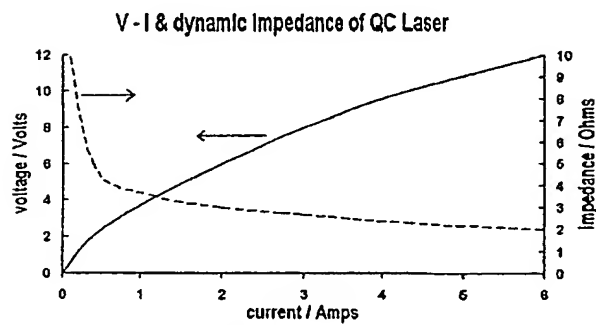


Fig4a

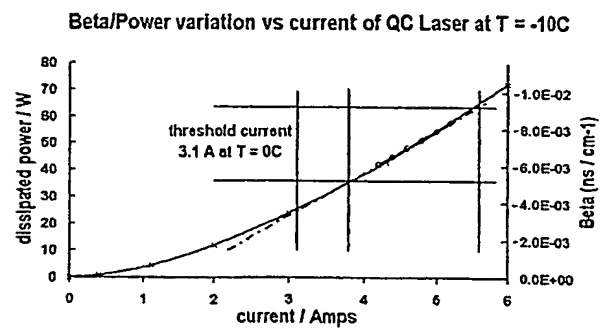


Fig4b

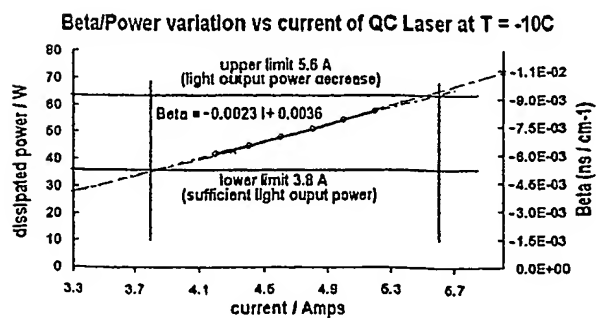


Fig.4c

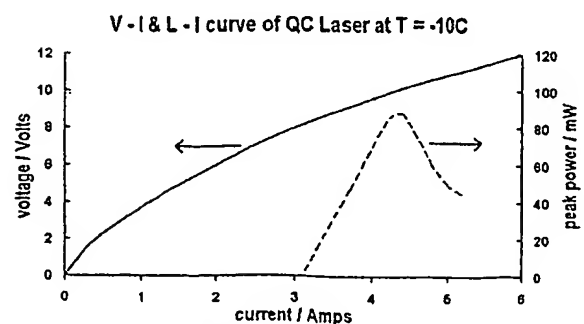


Fig.5

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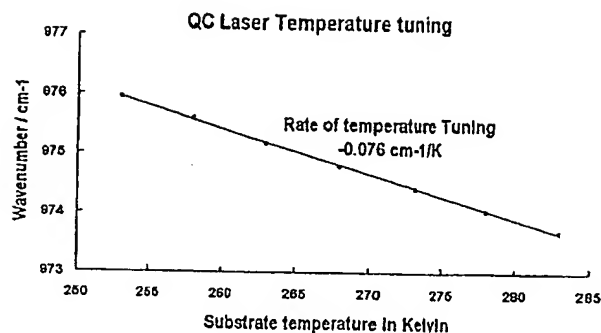


Fig.6a

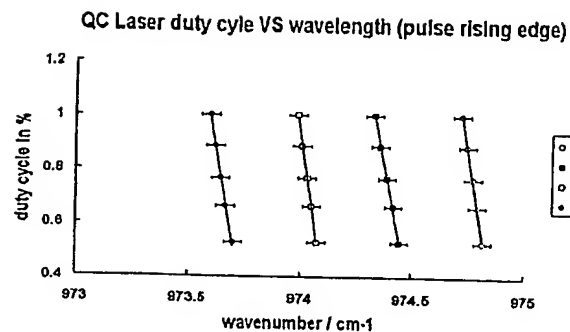


Fig.6b

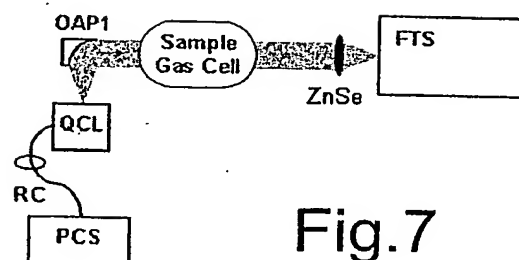


Fig.7

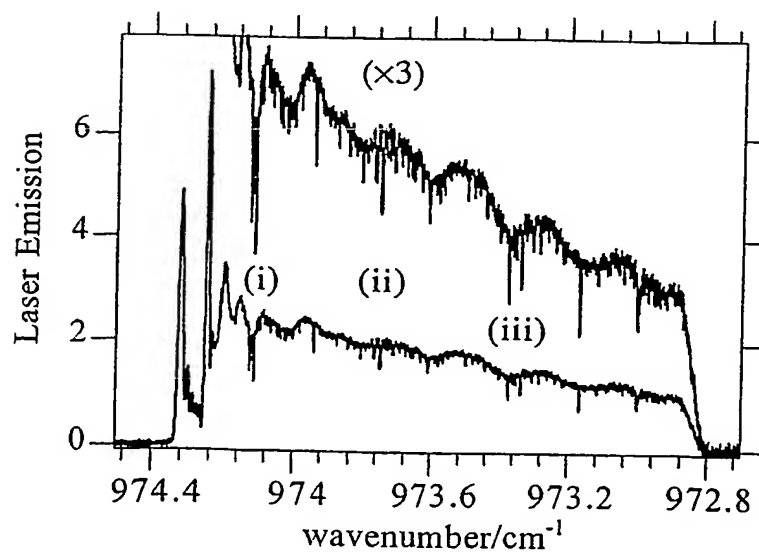


Fig.8

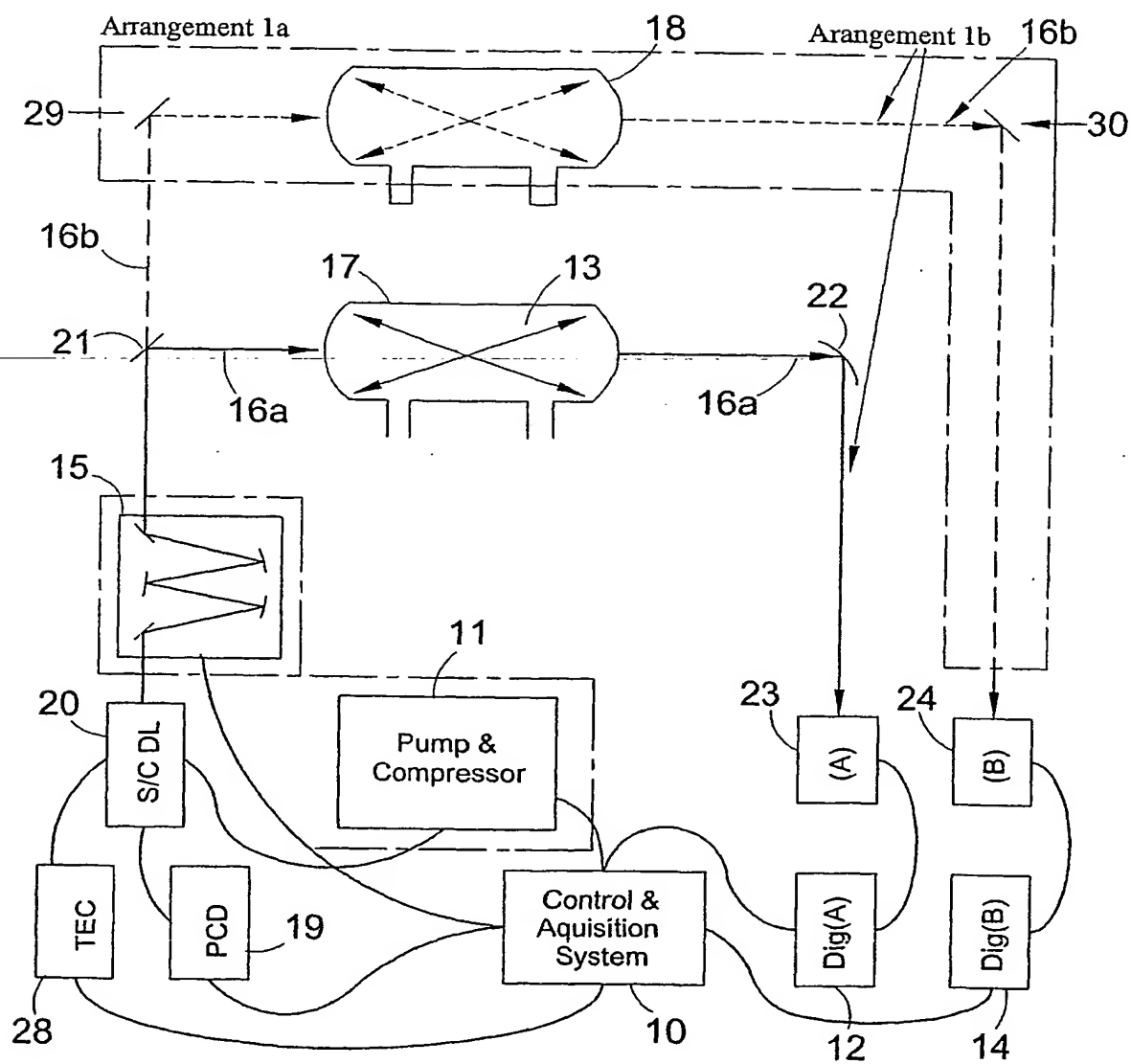
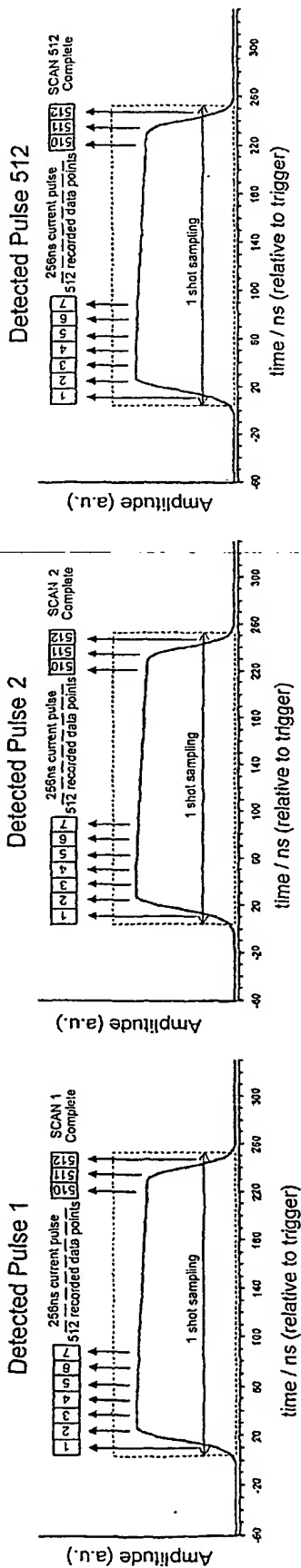
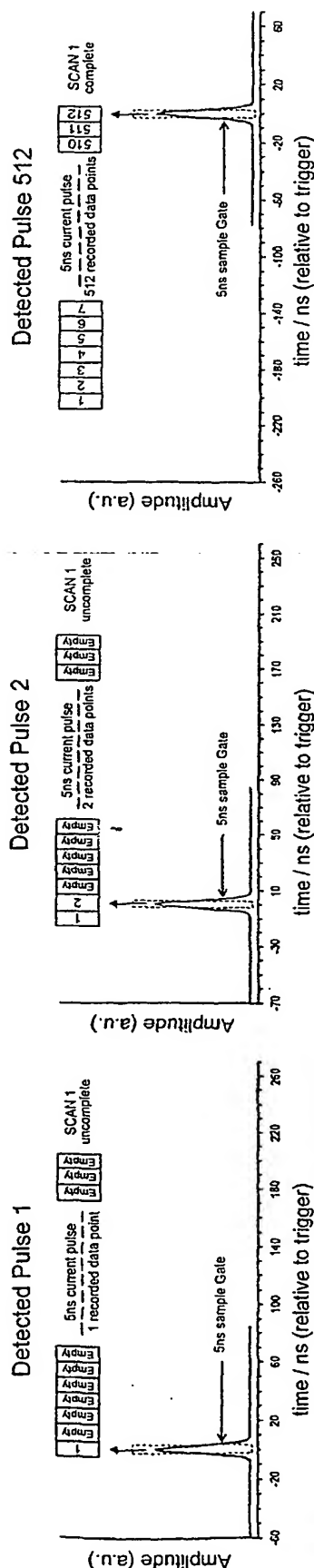


Fig.9

Method 1



Method 2



39.1 ms duration at 20KHz PRF

Fig.10

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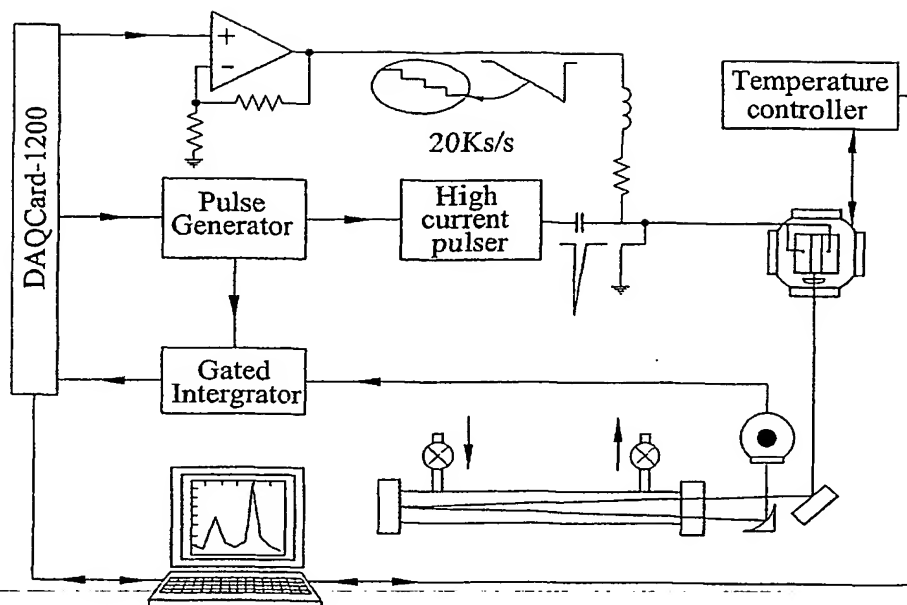


Fig11

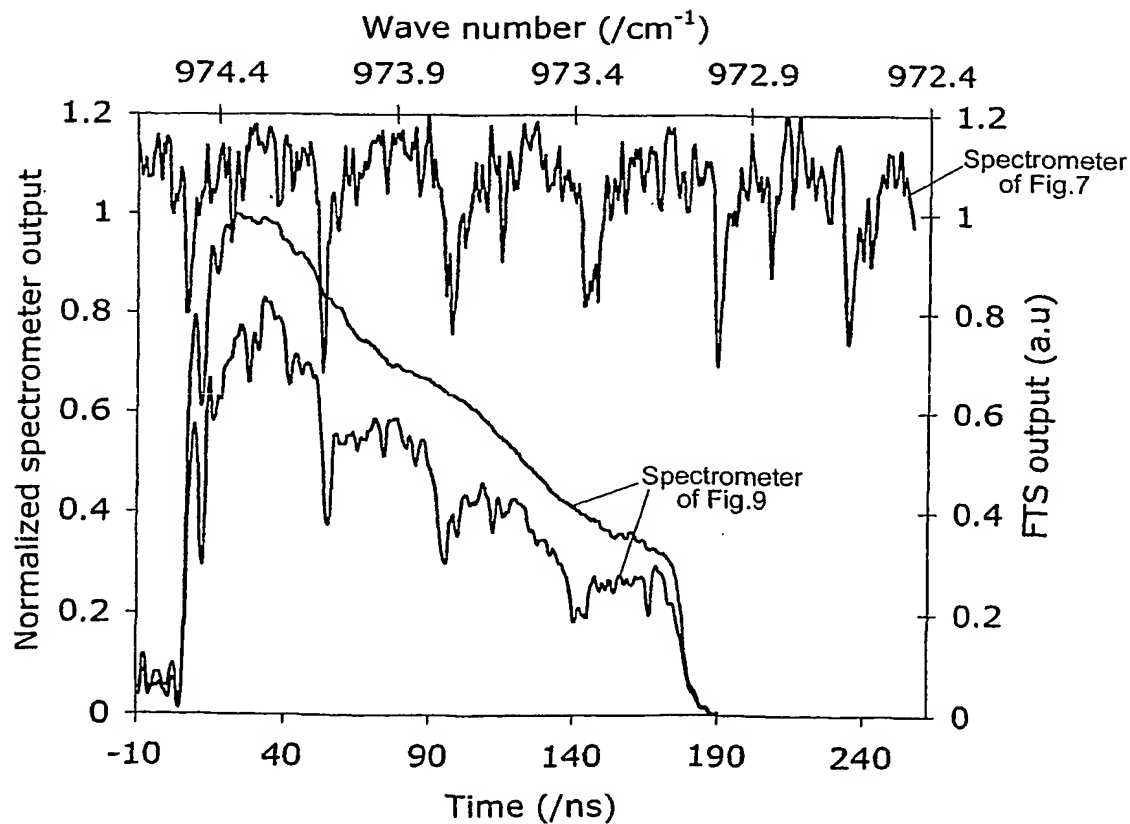


Fig.12

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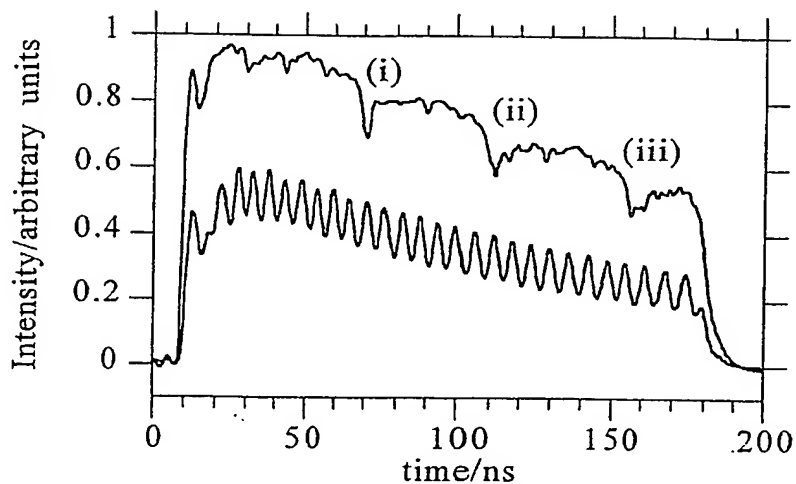


Fig.13

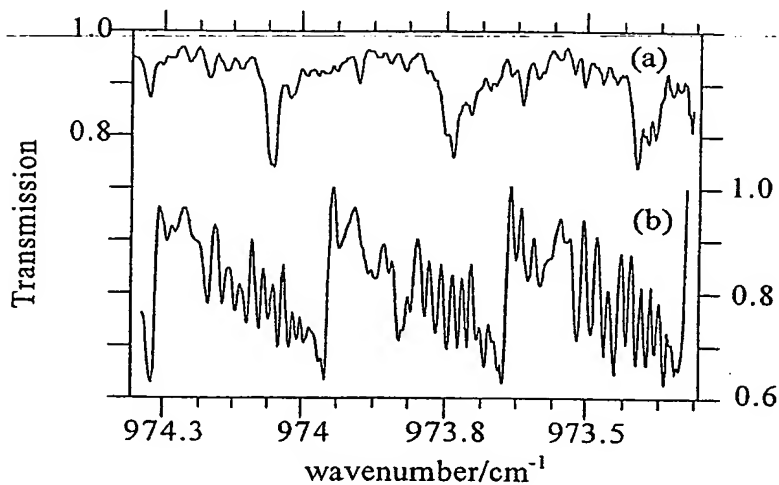


Fig.14

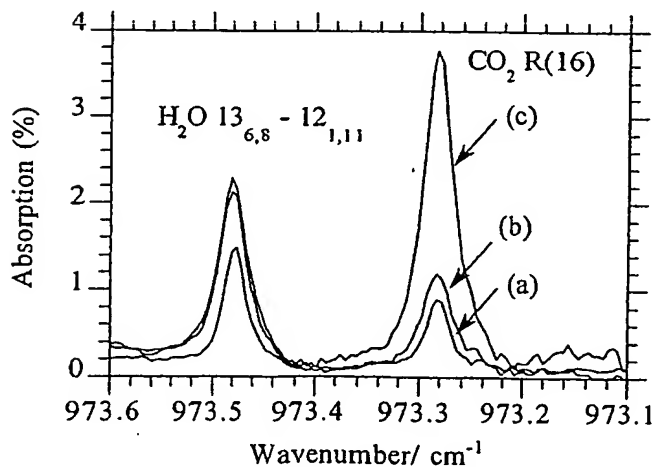


Fig.15

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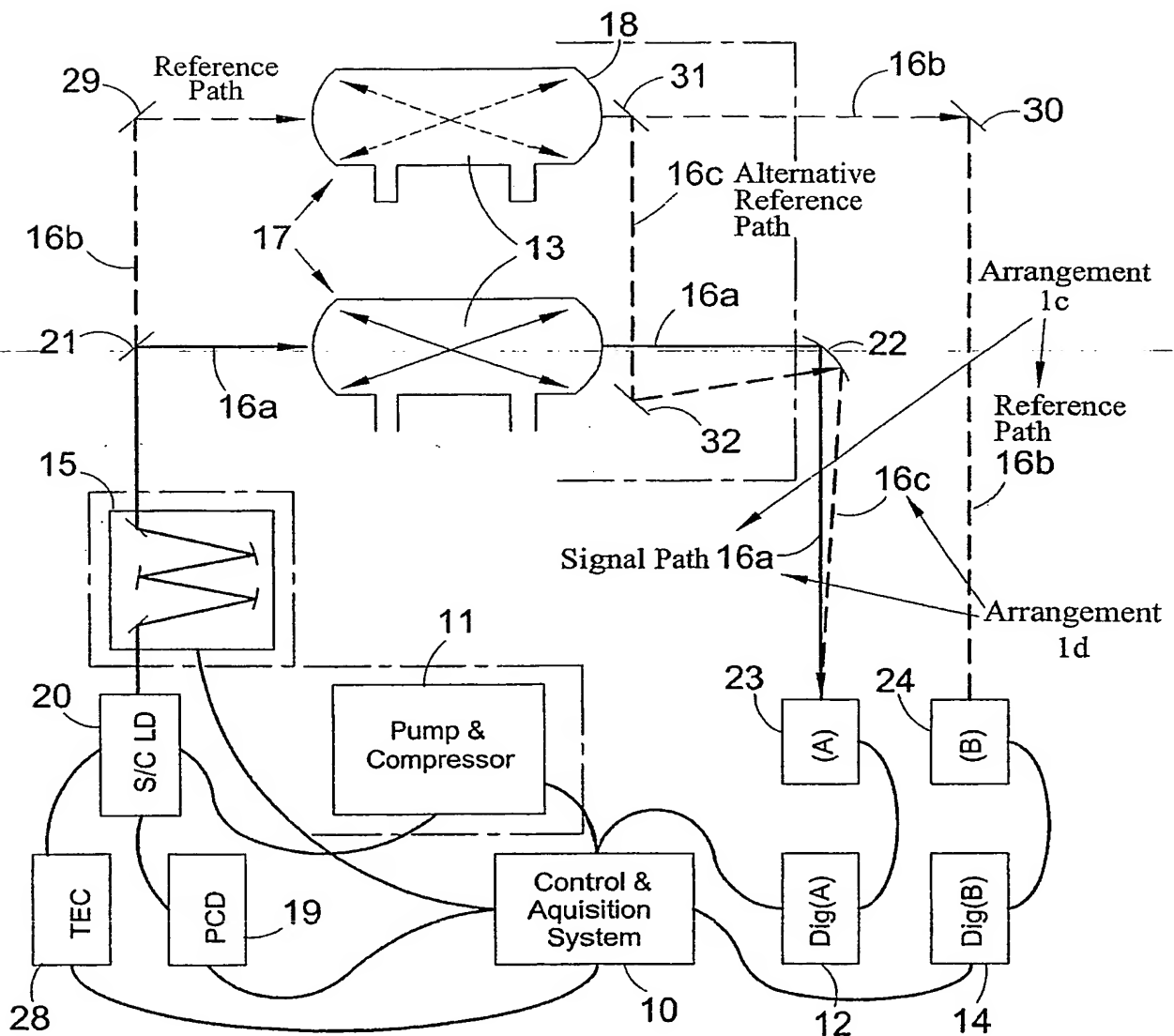


Fig.16



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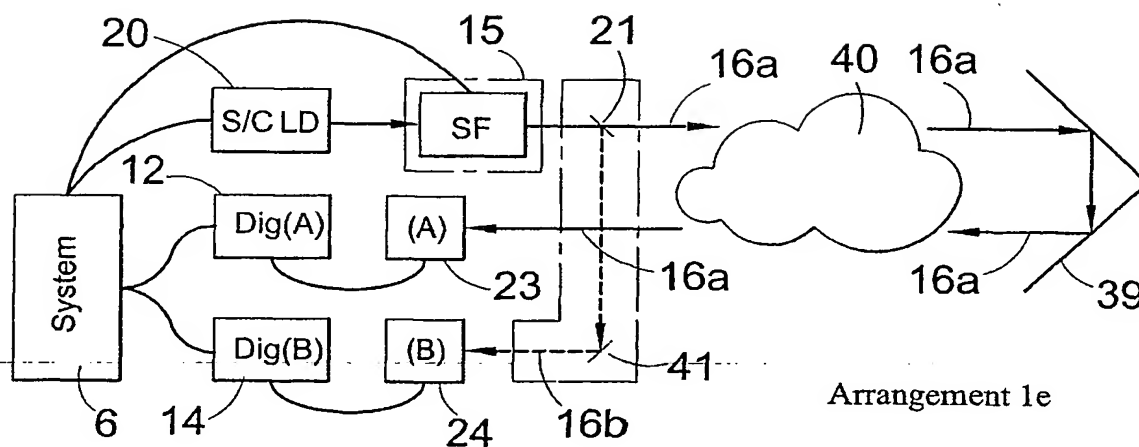


Fig.17

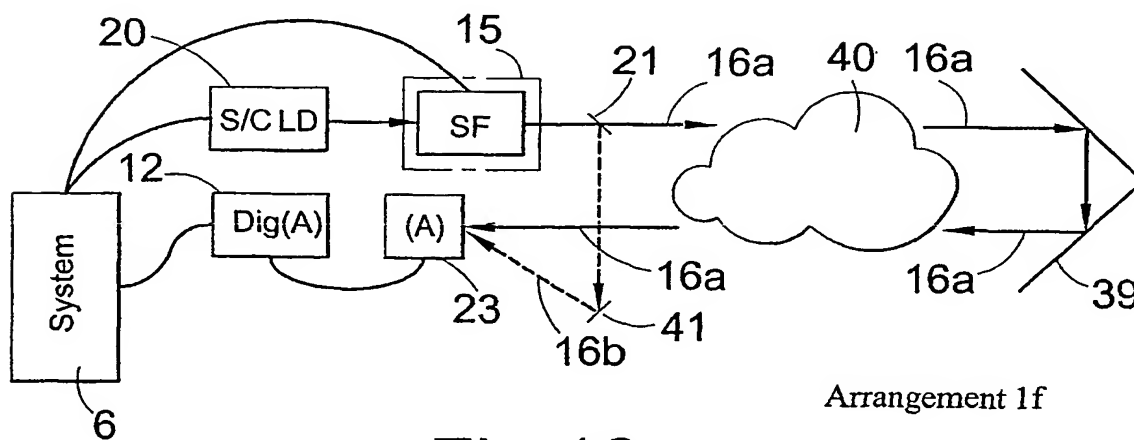


Fig.18

Multi-mode semiconductor diode laser & Sample Gas  
(spectral domain)

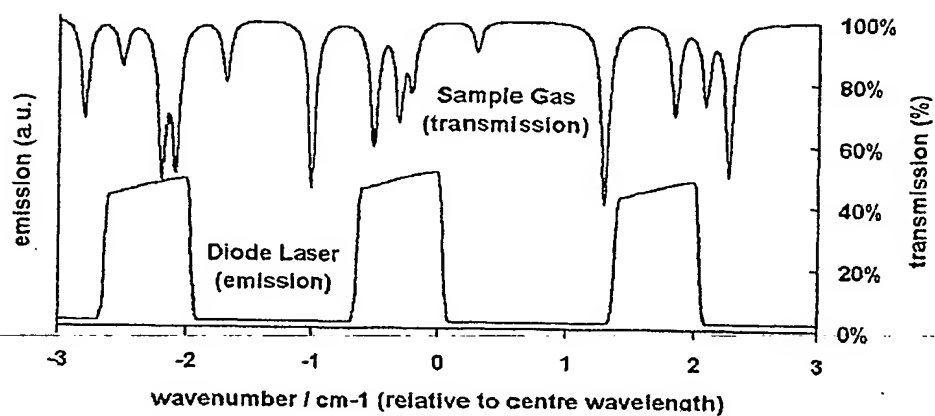


Fig.19a

Multi-mode semiconductor diode laser: absorbed  
(spectral domain)

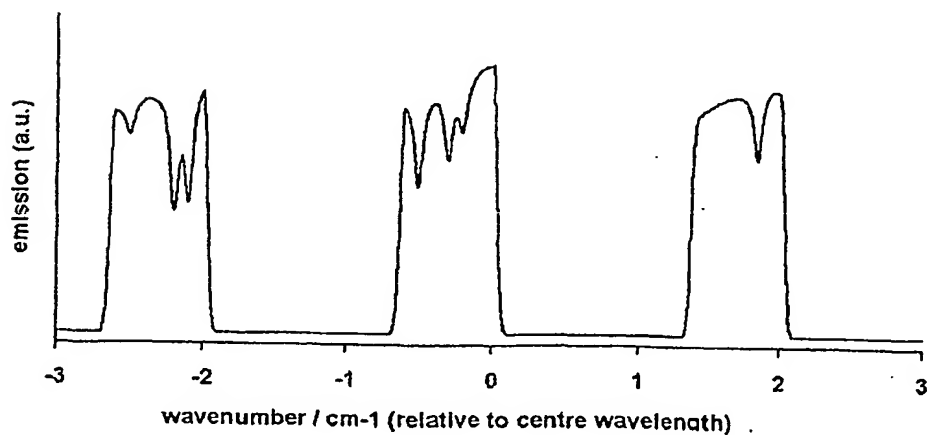


Fig.19b

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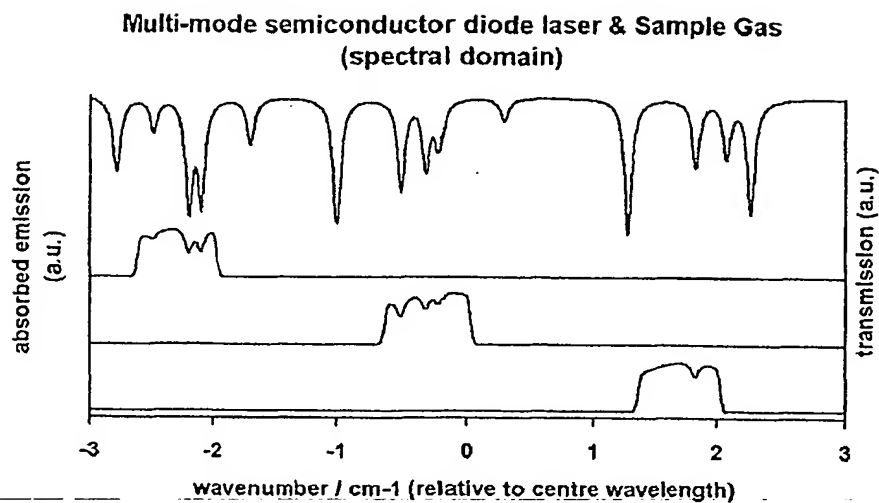


Fig.20

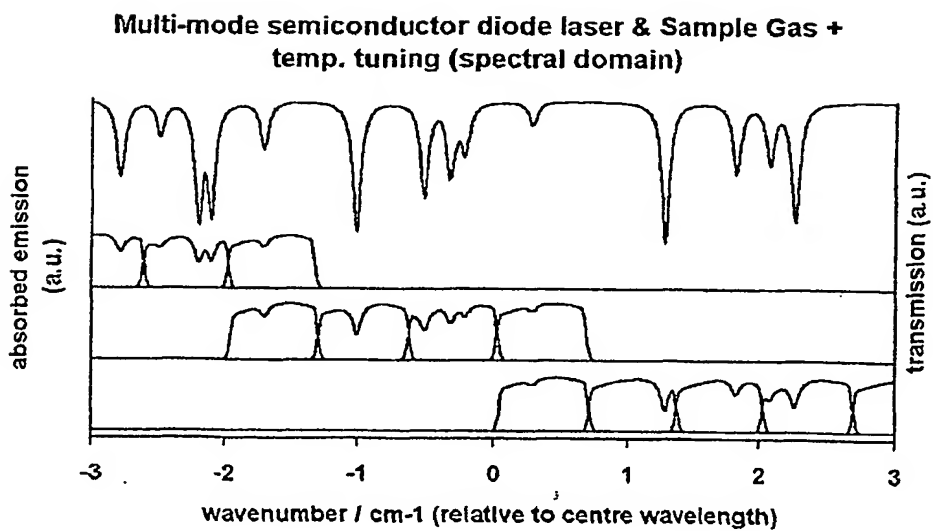


Fig.21

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